**Fig. 1**

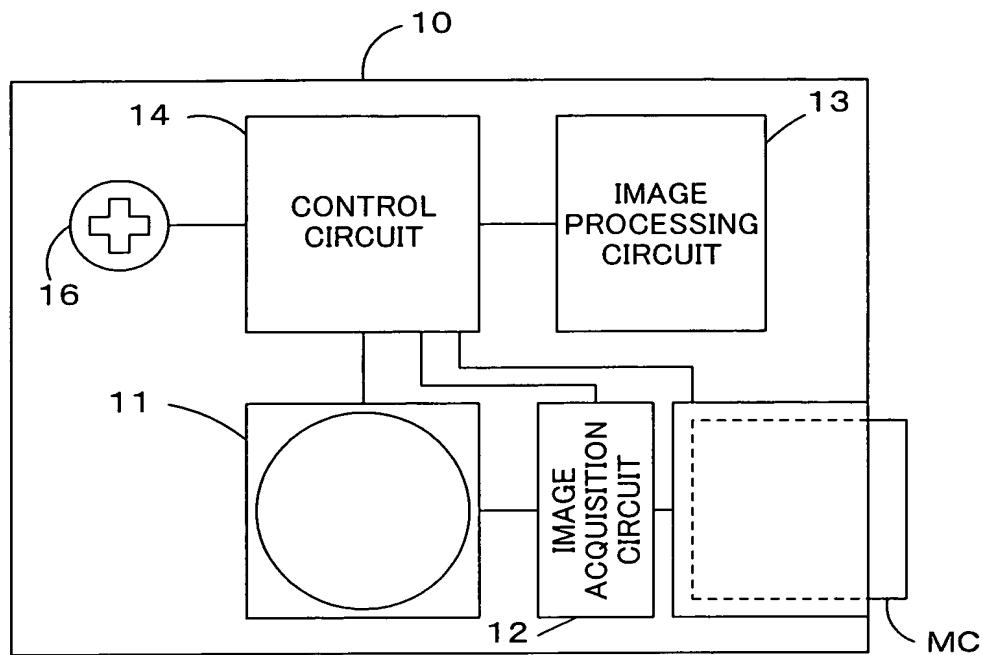
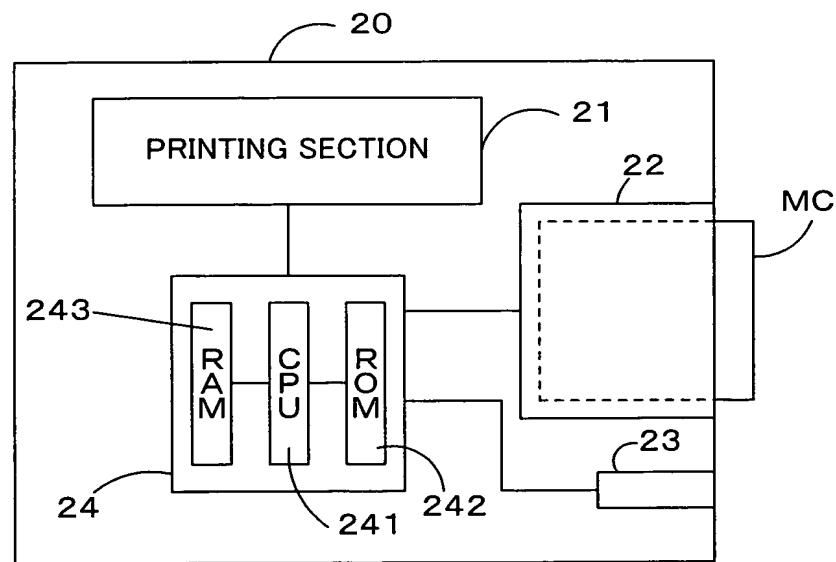
Fig.2**Fig.3**

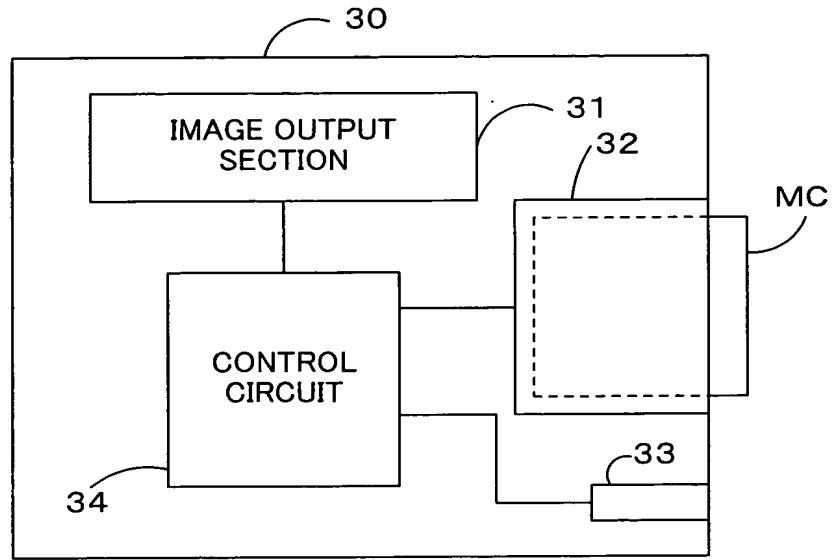
Fig.4

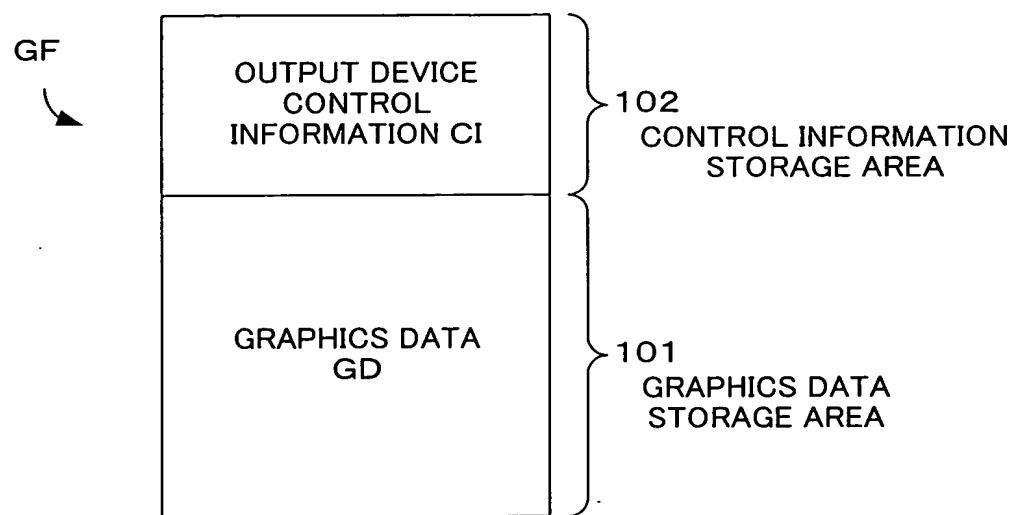
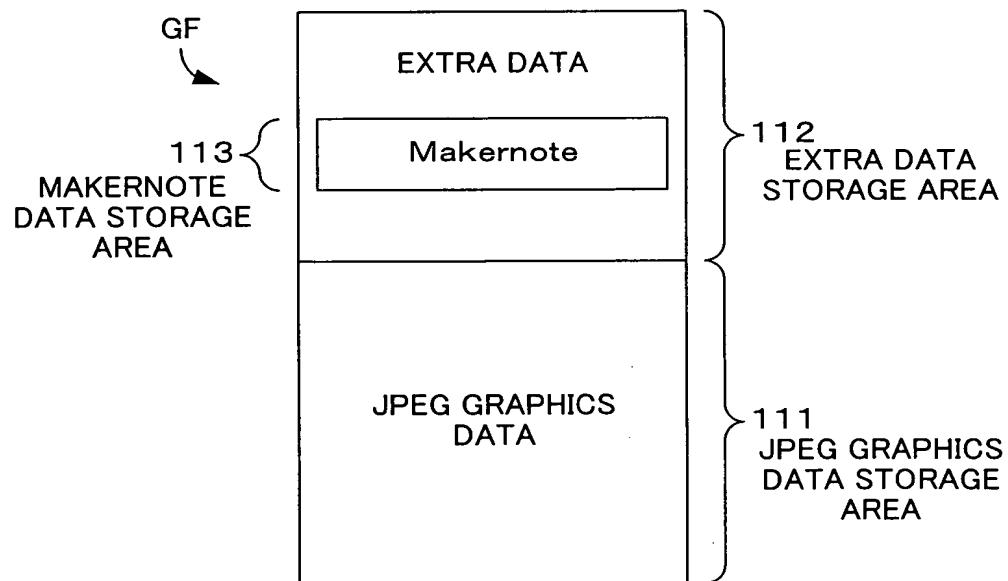
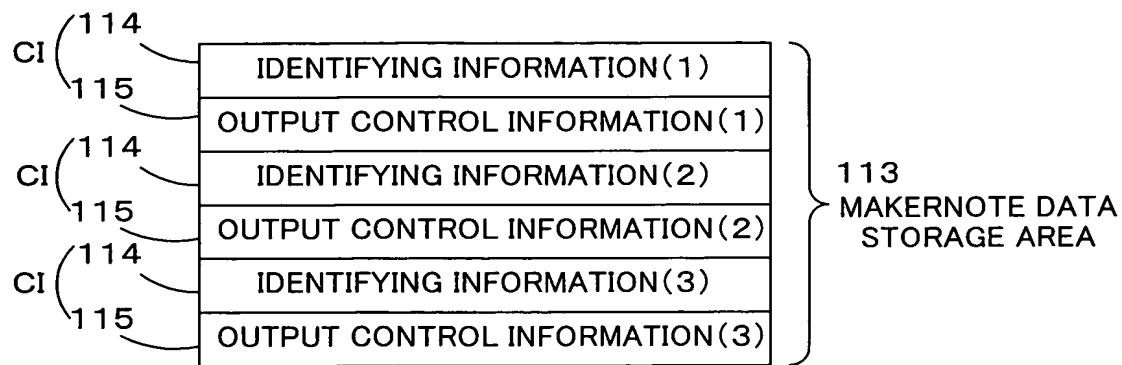
Fig.5**Fig.6**

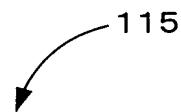
Fig.7**Fig.8**

A curved arrow labeled '114' points from the top of Fig.7 to the first row of Fig.8, indicating the relationship between the hierarchy number and the control category identifiers.

DESCRIPTION	SETTING
CONTROL IDENTIFICATION HIERARCHY NUMBER Nc	4
CONTROL CATEGORY IDENTIFIER C-ID ₁	1
CONTROL CATEGORY IDENTIFIER C-ID ₂	3
CONTROL CATEGORY IDENTIFIER C-ID ₃	2
CONTROL CATEGORY IDENTIFIER C-ID ₄	0

Fig.9

DEVICE ID	D-ID ₁	D-ID ₂	D-ID ₃	D-ID ₄
ID SETTING	1 : PRINTER	1 : ELECTROPHOTOGRAPHIC	1 : CO. A	1 : AAA
		2 : SUBLIMATION	2 : CO. B	2 : BBB
		3 : INK JET	3 : CO. C	3 : CCC
	2 : MONITOR	1 : CRT	1 : CO. A	1 : AAA
		2 : TRANSMISSIVE LCD	2 : CO. B	2 : BBB
		3 : REFLECTIVE LCD	3 : CO. C	3 : CCC
	3 : PROJECTOR	1 : LCD	1 : CO. A	1 : AAA
		2 : DLP	2 : CO. B	2 : BBB

Fig.10

 115

CONTROL PARAMETER	SETTING
GAMMA CORRECTION VALUE	2. 2
TARGET COLOR SPACE	NTSC
sRGB NEGATIVE VALUE TREATMENT	1 (VALID)
SHADOW	5
HIGHLIGHT	2
CONTRAST	0
BRIGHTNESS	4
RGB COLOR BALANCE	R0/G-1/B2
CHROMATICITY	0
SHARPNESS	THRESHOLD VALUE 2, APPLIED LEVEL 3
STORED COLOR CORRECTION	GREEN 0,0,0 (UNASSIGNED) SAPCE 0,0,0 (UNASSIGNED) SKIN 0,0,0 (UNASSIGNED) RED 0,0,0 (UNASSIGNED)
AUTO ADJUST	5
PAPER	3(PHOTOGRAPHIC PAPER)
RESOLUTION	4(PHOTOGRAPH)
PRINTING DIRECTION	1(ON)

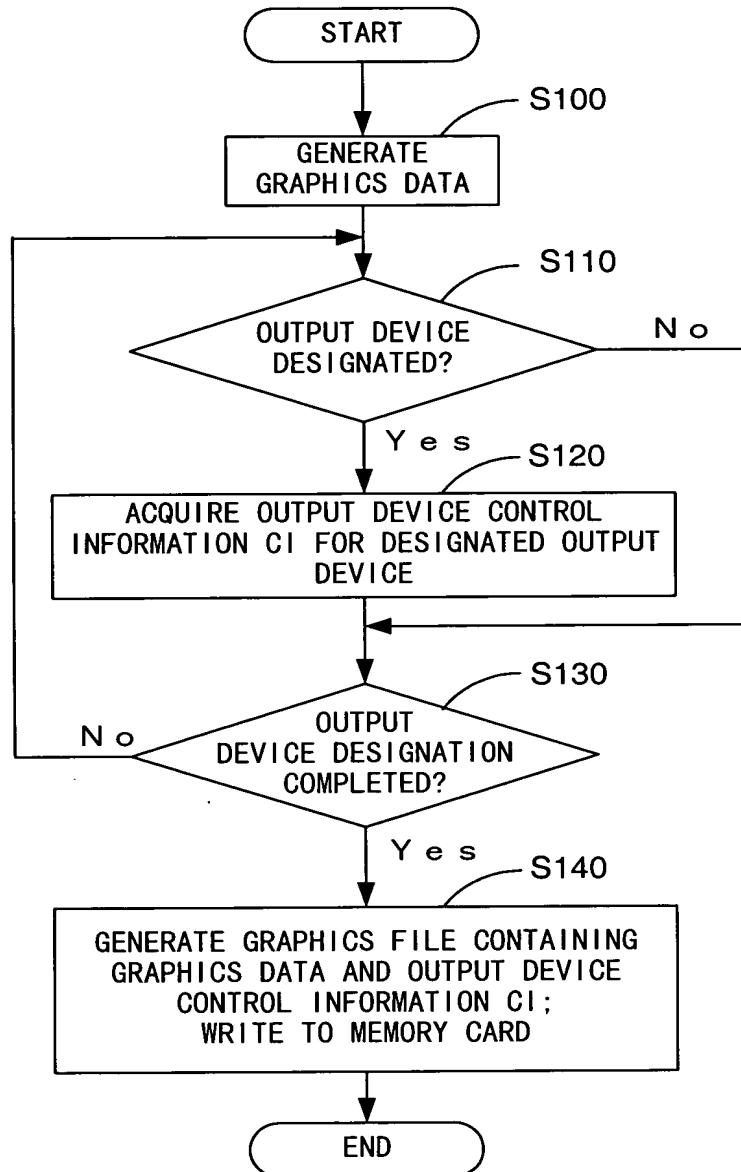
Fig.11

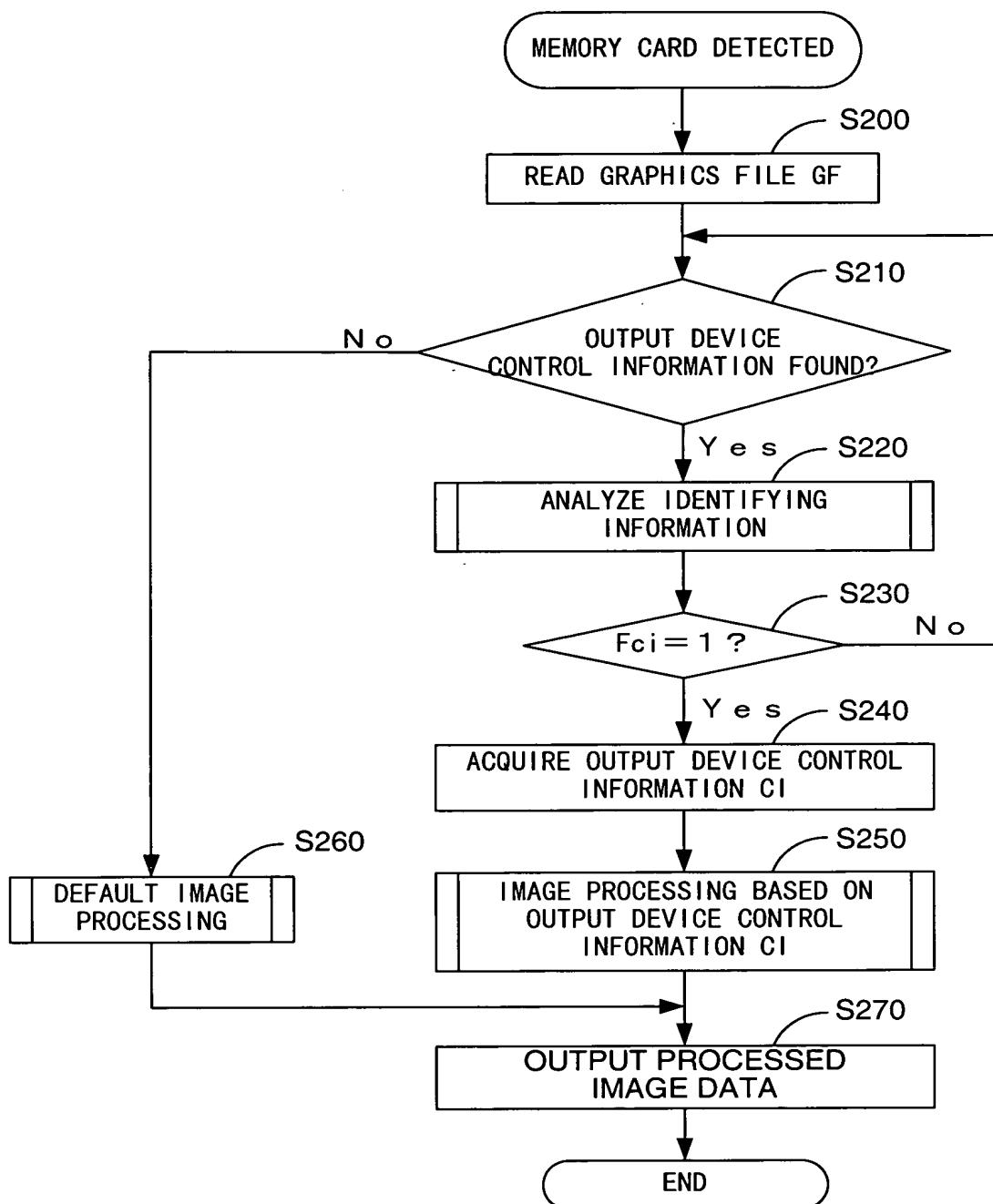
Fig.12

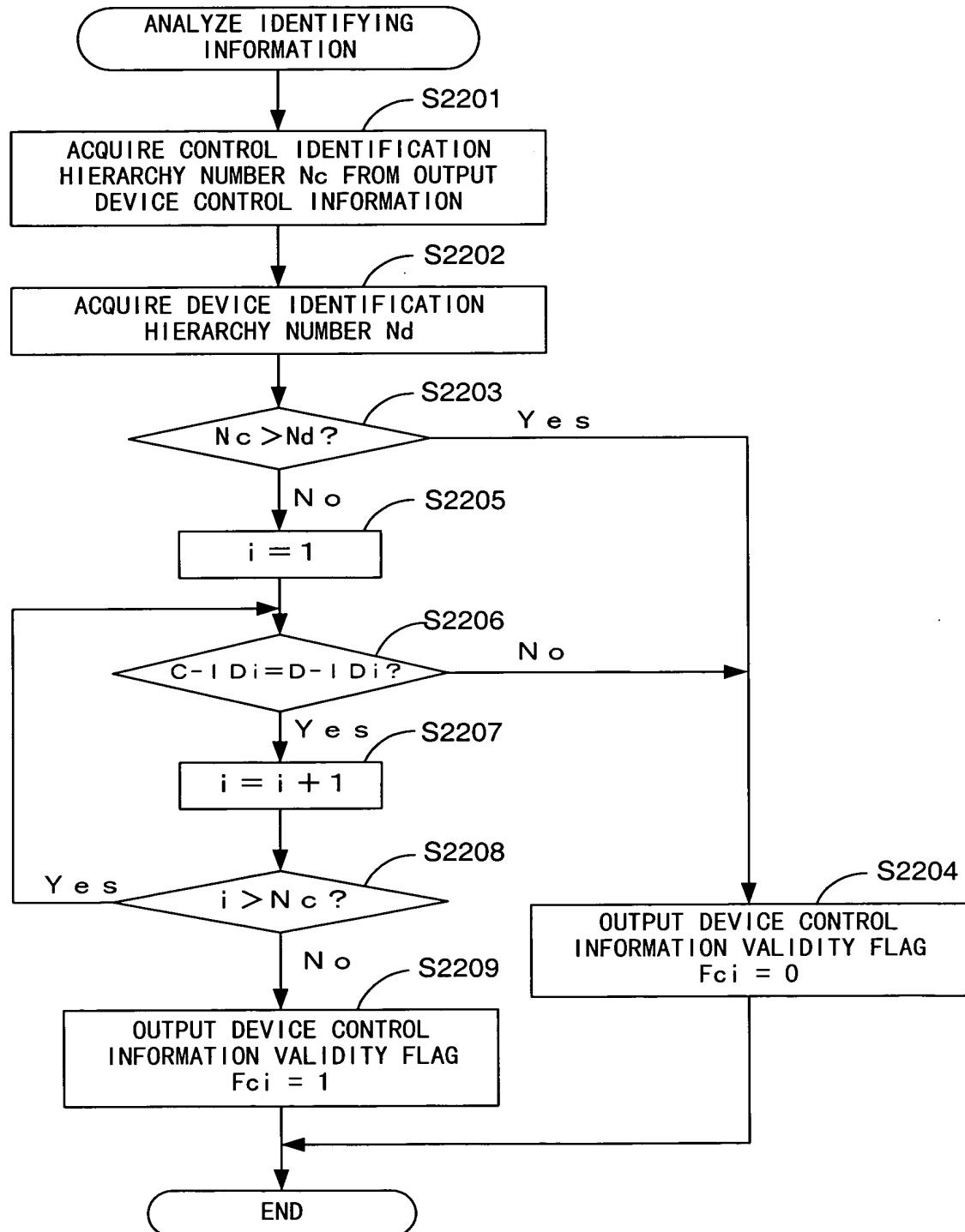
Fig.13

Fig.14

DESCRIPTION	SETTING
DEVICE IDENTIFICATION HIERARCHY NUMBER Nd	4
DEVICE CATEGORY IDENTIFIER D-ID ₁	1
DEVICE CATEGORY IDENTIFIER D-ID ₂	3
DEVICE CATEGORY IDENTIFIER D-ID ₃	2
DEVICE CATEGORY IDENTIFIER D-ID ₄	0

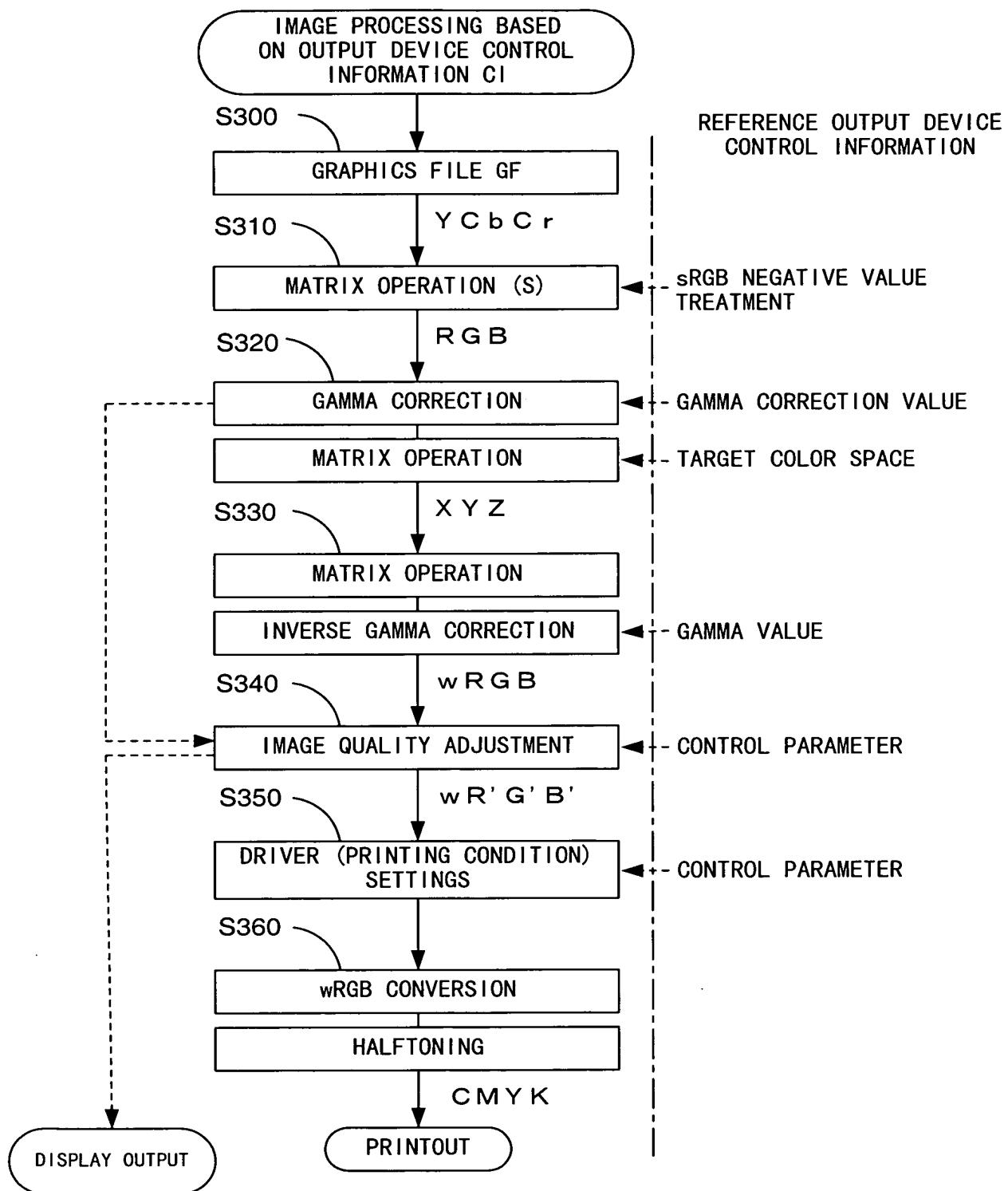
Fig.15

Fig.16

$$\begin{pmatrix} R \\ G \\ B \end{pmatrix} = \mathbf{S} \begin{pmatrix} Y \\ Cb - 128 \\ Cr - 128 \end{pmatrix}$$

$$\mathbf{S} = \begin{pmatrix} 1 & 0 & 1.40200 \\ 1 & -0.34414 & -0.71414 \\ 1 & 1.77200 & 0 \end{pmatrix}$$

Fig.17

$$\begin{pmatrix} X \\ Y \\ Z \end{pmatrix} = \mathbf{M} \begin{pmatrix} Rt' \\ Gt' \\ Bt' \end{pmatrix} \quad \mathbf{M} = \begin{pmatrix} 0.6067 & 0.1736 & 0.2001 \\ 0.2988 & 0.5868 & 0.1144 \\ 0 & 0.0661 & 1.1150 \end{pmatrix}$$

$Rt, Gt, Bt \geq 0$

$$Rt' = \left(\frac{Rt}{255} \right)^r \quad Gt' = \left(\frac{Gt}{255} \right)^r \quad Bt' = \left(\frac{Bt}{255} \right)^r$$

$Rt, Gt, Bt < 0$

$$Rt' = -\left(\frac{-Rt}{255} \right)^r \quad Gt' = -\left(\frac{-Gt}{255} \right)^r \quad Bt' = -\left(\frac{-Bt}{255} \right)^r$$

Fig.18

$$\begin{pmatrix} R_w \\ G_w \\ B_w \end{pmatrix} = \mathbf{N}^{-1} \begin{pmatrix} X \\ Y \\ Z \end{pmatrix}$$

$$\mathbf{N}^{-1} = \begin{pmatrix} 3.30572 & -1.77561 & 0.73649 \\ -1.04911 & 2.1694 & -1.4797 \\ 0.0658289 & -0.241078 & 1.24898 \end{pmatrix}$$

$$Rw' = \left(\frac{Rw}{255} \right)^{1/\gamma} \quad Gw' = \left(\frac{Gw}{255} \right)^{1/\gamma} \quad Bw' = \left(\frac{Bw}{255} \right)^{1/\gamma}$$